

**SECRET****PRIORITY**

1970 JAN 19

19

6970

P 191831Z JAN 70

FM NPIC WASHDC

TO RHCOAAA/SAC OFFUTT AFB OMAHA NEB  
 RHCOAAA/544TH ARTW OFFUTT AFB OMAHA NEB  
 RUCILBA/100TH SRW OL 19 MCCOY AFB FLA  
 RUVVRIA/WRAMA/WRNWA WARNER ROBBINS AFB, GA  
 RUWMDA/100TH SRW DAVIS MONTHAN AFB ARIZ  
 RUWMDA/12 SAD DAVIS MONTHAN AFB ARIZ  
 RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD  
 RUEAIIA/CIA WASH DC  
 RUCRJCS/DIA  
 RUWBKNA/15TH AF MARCH AFB RIVERSIDE CALIF  
 RUEFHQA/HQS USAF  
 BT

SECRET CITE NPIC 7810.

SAC FOR DIRI, DOSR, DISD, DM4C, DPLC; 100 SRW DAVIS MONTHAN  
 DO, DCOI, AEMS; 12 SAD FOR MD; DIA FOR DIAXX-1; HQ USAF FOR  
 AFIGOS, AFXOTR; 15TH AF FOR DI, DO, DM4C.

SUBJECT: EVALUATION OF OLD HEAD MISSION G-112, 12 JANUARY 1970

1. IMAGE QUALITY: THE OVERALL IMAGE QUALITY OF THIS MISSION IS FAIR TO GOOD. THE BEST IMAGE QUALITY OF THIS MISSION IS COMPARABLE TO THAT OBTAINED ON THE BETTER MISSIONS (G-103, AND G-105) UTILIZING THIS SYSTEM. THE FAIR QUALITY IMAGERY IS THE RESULT OF VEHICLE VIBRATIONS WHICH RESULT IN THE LACK OF GOOD EDGE DEFINITION AND A GENERAL "SOFT" APPEARANCE AT MAGNIFICATIONS ABOVE 25X. THE AFT LOOKING IMAGERY, ALTHOUGH COMPARABLE TO THE FWD LOOKING IMAGERY AT TIMES, IS GENERALLY OF SLIGHTLY POORER QUALITY. IN ADDITION, SLIGHT VARIATION WAS NOTED IN QUALITY OF THE FORMAT. THE IMAGERY OBTAINED NEAR THE TITLED EDGE OF THE FORMAT IS OF SLIGHTLY BETTER QUALITY THAN THAT IMAGERY NEARER THE TITLED EDGE. DOUBLE IMAGERY WAS NOTED ON THE AFT-LOOKING FRAMES AT 27 - 30 DEGREES LEFT AND RIGHT. THIS IS THE FIRST TIME THIS HAS BEEN OBSERVED AND IS CONSIDERED TO BE THE RESULT OF A WINDOW JOINT. THE INTERPRETATION SUITABILITY RANGES FROM FAIR TO GOOD. CLOUD COVER AFFECTS LESS THAN 2 PERCENT OF THE ENTIRE MISSION.

## 2. MISSION DATA:

- A. G-112, 12 JAN 1970
- B. I-2, 8007
- C. A/C NO: 339
- D. STEREO
- E. T/O: 1218Z, C/ON: 1432Z
- F. 3404, W-23A
- G. MX-819-1, NRTSC
- H. AVG. GAMMA: 1.83
- I. SLIT WIDTH: .099

3. A. EXPOSURE: ADEQUATE FOR INTERPRETATION ALTHOUGH SLIGHTLY UNDEREXPOSED ON THE FIRST HALF OF THE MISSION.

B. DENSITY AND CONTRAST: GENERALLY MEDIUM.

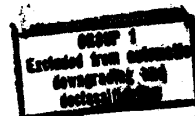
C. IMAGED DEGRADATIONS: NONE OTHER THAN THOSE CONSIDERED CHARACTERISTIC OF THE SYSTEM.

D. PHYSICAL DEGRADATIONS: FINE EMULSION SCRATCHES ARE PRESENT THROUGHOUT THE MISSION. THE FILM WAS CUT IN FRAME 599 AS A RESULT OF A PREPROCESSING ANOMALY. A PIECE OF FILM (APPROXIMATELY 2 SQUARE INCHES) WAS CUT OUT OF THE MATERIAL AND NOT PROCESSED. THE PIECE WAS TAPED BACK INTO THE FRAME AND CONTAINED NO IMAGERY. THERE ARE FOUR HEAT SPLICES AND ONE ULTRA-SONIC SPLICE ON THIS MISSION.

E. DATA RECORDING EQUIPMENT: ALL SYSTEMS FUNCTIONED

DISTRIBUTION		
CY	OFFICE	PI
1	FILE	
	CABLE SEC.	
	PLANS/ID	
	SECUR.	
2.3	TSSG/OPS	
	PER/OC	
	RND	
	REFO	
	AFB FOR	
	FOR	
	IN/OD	
	SOLE	
	WAVE	
	DATA	
	G-104	
	IS	
	IN/PHD	
4	INS	
	SEED	
	DE-AP	
	AC	25X1
	NON	
	FRAMES	

ADVANCE CY  
 SANITIZED  
 WITH TEXT

**SECRET**

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PROPERLY THROUGHOUT THE MISSION, WITH THE EXCEPTION OF A DOUBLE EXPOSED DATA BLOCK ON FRAME 716.

F. OTHER: THE TITLED HALF OF THE FORMAT HAS A HIGHER DENSITY THAN THE NON-TITLED HALF. THE DENSITY DIFFERENCE IS NOT GRADUAL BUT WELL DEFINED AS AN ABRUPT INCREASE IN DENSITY NEAR THE CENTER OF THE FORMAT. APPARENTLY ASSOCIATED WITH THIS IS A SPLASH-TYPE FOG PATTERN ON THE AFT FRAMES WHICH IS LOCATED ON THE TITLED EDGE OF THE FORMAT AND 9 INCHES FROM THE SUPPLY END OF THE FORMAT. BOTH OF THESE DENSITY PATTERNS BEGIN ON FRAME 230 AND END AT A HEAT SPLICE WHICH IS PRESENT ON FRAME 265. THE LAST TITLED FRAME IS 716 COUNTER NUMBER 721. THE PLUS FIVE BIAS WAS HELD THROUGHOUT THE MISSION.

4. POSITIVES: THE PRINTING AND PROCESSING ARE ADEQUATE FOR INTERPRETATION PURPOSES.

GP-1

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END OF MESSAGE